PLEASE AMEND THE APPLICATION AS FOLLOWS:

I. IN THE SPECIFICATION

On page 29, line 5, after the word "Xonotlite" remove the second period "." .

On page 29, line 9, change "of1" to -of 1--.

The S.E.M. pictures at 10,000 times and 2000 times magnification are given in FIG. 2 and 3, respectively. The high magnification S.E.M. clearly shows the fibrous structure of Foshagite and a small fraction of "rod" or "ribbon" like, tubular structures of Xonotlite.[-] The diameter of the Foshagite "fibers" ranges from 0.1 to 0.2 microns while the length ranges from 1 to 5 microns. The Xonotlite particles had diameters in the range of 0.1 to 0.3 microns and a length in the range [off] of 1 to 3 microns.

On page 27, delete Table 1a and substitute new Table 1a as follows:

-- Table 1a: Process conditions of 5XPC 12

Batch #	Mol Ratio (CaO/SiO ₂)	Concentration (lb/gallon)	Temperature (°C)	Average Pressure (psi)	Reaction Time (hours)
5XPC 12	1.35	0.425	245	456	2.0

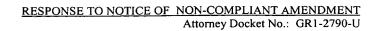
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On page 27, delete Table 1b and substitute new Table 1b as follows:

-- Table 1b: Pigment Properties of 5XPC 12

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Batch #	GE Brightness (% reflectance)	Water Absorption (%)	Air Permeability Blaine Wt. (g)	Air Permeability Blaine time (sec.)
5XPC 12	96.4	880	0.35	81.8



On page 28, delete Table 1c and substitute new Table 1c as follows:

--Table 1c: X-ray diffraction peak summary for 5XPC 12

Common Name	Crystallochemical Formula	d-spacing (Major)	d-spacing (median)	d-spacing (Minor)
Foshagite (Phase I)	CaO ₄ (SiO ₃) ₃ (OH) ₂ (Major)	d=2.97Å	d=2.31Å	d=5.05Å
Xonotlite (Phase II)	Ca ₆ Si ₆ O ₁₇ (OH) ₂ (Minor)	d=3.107Å	d=1.75Å	d=3.66Å



On page 32, delete Table 1d and substitute new Table 1d as follows:

--Table 1d: Optical property performance of handsheets containing 20% (interpolated) 5XPC 12 and pulp only.

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Pigment	Brightness (ISO)	Opacity (ISO)	Sheet Scattering Coefficient (cm²/g)	Filler Scattering Coefficient (cm²/g)
5XPC 12	90.56	90.88	835.21	3077.24
Pulp Only	85.73	73.19	274.8	NM
Improvement	+ 5.6%	+ 24.2%	+ 203.9%	-

On page 34, delete Table 2a and substitute new Table 2a as follows:

--Table 2a: Process conditions of 5XPC 27

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Batch #	Mol Ratio (CaO/SiO ₂)	Concentration (lb/gallon)	Temperature (°C)	Average Pressure (psi)	Reaction Time (hours)
5XPC 27	0.85	0.75	190	163.5	2.5

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On page 36, delete Table 2b and substitute new Table 2b as follows:

--Table 2b: Pigment Properties of 5XPC 27

Batch #	G.E. Brightness (% reflectance)	Water Absorption (%)	Air Permeability Blaine Wt. (g)	Air Permeability Blaine time (sec.)
5XPC 27	91.2	360	0.5	17.0

d-spacing

(Minor)

d=2.80Å

d=2.50Å

On page 37, delete Table 2c and substitute new Table 2c as follows:

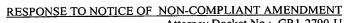
-- Table 2c: X-ray diffraction peak summary for 5XPC 27

8	Common Name	Crystallochemical Formula	d-spacing (Major)	d-spacing (Median)
	Riversideite (Phase I)	Ca ₅ Si ₆ O ₁₆ (OH) ₂ (Major)	d=3.055Å	d=3.58Å
\downarrow	Xonotlite (Phase II)	Ca ₆ Si ₆ O ₁₇ (OH) ₂ (Minor)	d=3.056Å	d=4.09Å

On page 40, delete Table 2f and substitute new Table 2f as follows:

--Table 2f: Optical property performance of handsheets containing 20% (interpolated) 5XPC 27 and 20% (interpolated)

Pigment	Brightness (ISO)	Opacity (ISO)	Sheet Scattering Coefficient (cm²/g)	Filler Scattering Coefficient (cm²/g)
5XPC 27	87.86	83.35	449.12	1092.42
PCC	90.21	89.39	738.55	2546.03
Improvement over PCC	- 2.6%	- 6.76%	- 39.19%	- 57.09%

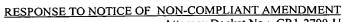


On page 49, delete Table 5b and substitute new Table 5b as follows:

--Table 5b: Pigment properties for Examples 9, 10 and 11.

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Example #	Water Absorption (%)	Brightness (ISO)	Blaine Wt.	Blaine Time (sec.)	PH
Example 9	480	92.9	0.5	74	11.1
Example 10	520	96.1	0.45	108.5	11.0
Example 11	600	93.3	0.4	135.0	11.2



On page 54, delete Table 7a and substitute new Table 7a as follows:

-- Table 7a: Reaction conditions for Examples 16 and 17.

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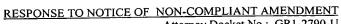
Batch #	Mol Ratio (CaO/SiO₂)	Conc. (lb/gallon)	Temp.	Average Pressure (psi)	Reaction Time (hours)
5XPC 52	1.31	.25	245	490	2
5XPC 55	1.31	. 4	232	387	2

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On page 55, delete Table 8a and substitute new Table 8a as follows:

-- Table 8a: Reaction conditions for Examples 18.

Batch #	Mol Ratio (CaO/SiO ₂)	Concentration (lb/gallon)	Temperatur e (°C)	Average Pressure (psi)	Reaction Time (hours)
5XPC 57	1.31	0.5	245	375	2



On page 55, delete Table 8b and substitute new Table 8b as follows:

--Table 8b: Pigment Properties Examples 18.

)	Batch #	GE Brightn (% reflecta
	5XPC 57	97.0

ightness lectance)	Water Absorption (%)	Air Permeability Blaine Wt. (g)	Air Permeability Blaine time (sec.)
7.0	680	0.35	57.5

On page 57, delete Table 9a and substitute new Table 9a as follows:

-- Table 9a: Optical property performance of handsheets containing 20% (interpolated) TiSil and 20% (interpolated) PCC.

			Sheet Scattering	Filler Scattering
Pigment	Brightness (ISO)	Opacity (ISO)	Coefficient (cm²/g)	Coefficient (cm²/g)
TiSil	87.2	92.3	858.0	3065.1
PCC	90.0	89.0	716.8	2507.0

On page 58, delete Table 10a and substitute new Table 10a as follows:

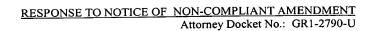
--Table 10a: Optical property performance of handsheets containing 20% (interpolated) TiSil and 20% (interpolated) PCC + TiO₂ combination.

			Sheet	Filler
			Scattering	Scattering
Pigment	Brightness (ISO)	Opacity (ISO)	Coefficient (cm²/g)	Coefficient (cm²/g)
	87.2	92.3	858.0	3065.1
TiSil	87.2	92.3		
PCC with TiO2	90.0	89.0	716.8	2507.0

On page 60 , delete Table 11a and substitute new Table 11a as follows:

-- Table 11a: Reaction conditions for Example 21.

Example #	Batch #	Mol Ratio (CaO/SiO₂)	Concentration (lb/gallon)	Temperature (°C)	Reaction Time (hours)
Example 21	XPC 65	1.67	0.71	232	2



On page 60, delete Table 11b and substitute new Table 11b as follows:

-- Table 11b: Pigment properties for Example 21.

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Example #	Water Absorption (%)	Brightness (ISO)	Blaine Wt. (grams)	Blaine Time (sec.)	РН
Example 21	420	93.7	0.45	46.2	10.7

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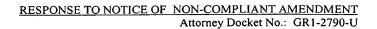
On page 62, delete Table 12a and substitute new Table 12a as follows:

-- Table 12a: Reaction conditions for Example 22.

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Example #	Batch #	Mol Ratio (CaO/SiO ₂)	Concentration (lb/gallon)	Temperature (°C)	Reaction Time (hours)
Example 22	XPC 117	1.67	0.67	224	2



On page 62, delete Table 12b and substitute new Table 12b as follows:

-- Table 12b: Pigment properties for Example 22.

Example #	Water Absorption (%)	Brightness (ISO)	Blaine Wt.	Blaine Time	На
Example 22	470	95.3	0.45	184.7	10.6

On page 63, delete Table 12c and substitute new Table 12c as follows:

--Table 12c: Optical property performance of handsheets containing 6% (interpolated) TiSil, HuberSil, and Huber Carbonate.

	Normalized Opacity	Ink		Print
Pigment	(ISO)	Penetration	Show Through	Through
TiSil	86.29	1.46	4.67	6.13
HuberSil	85.33	1.60	5.14	6.74
Huber Carbonate	86.75	2.46	4.79	7.24

On page 64, delete Table 12d and substitute new Table 12d as follows:

--Table 12d: Strength property performance of handsheets containing 6% (interpolated) TiSil, HuberSil, and Huber Carbonate.

Pigment	Porosity (sec/100c c air)	Tensile Index (Nm/g)	Stiffness (Gurley Units)	Static Coeff. of Friction	Sheet Smoothness (Sheffield Units)
TiSil	15.40	25.57	22.08	0.90	159.76
HuberSil	11.93	21.95	24.31	0.90	176.02
Huber Carbonate	11.36	25.32	18.06	0.86	164.06